

CLAIMS

What is Claimed is:

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Sub A

1. A polymer formulation comprising a triggerable cationic polymer and a non-crosslinked co-binder polymer dispersed in the triggerable cationic polymer, wherein the polymer formulation is triggerable.

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2. A polymer formulation comprising an ion-specific cationic polymer and a non-crosslinked co-binder polymer dispersed in the ion-specific cationic polymer, wherein the polymer formulation is triggerable.

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3. A polymer formulation comprising a triggerable cationic polymer and a co-binder dispersed therein, wherein said triggerable cationic polymer comprises a cationic monomer and at least one water insoluble, hydrophobic monomer.

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4. A polymer formulation comprising a triggerable cationic polymer and a non-crosslinked co-binder polymer, wherein the polymer formulation is insoluble in aqueous solution containing at least about 0.5 weight percent divalent metal salt capable of forming complex anions; and the polymer formulation is soluble in water containing up to about 200 ppm of one or more mono or multivalent ions.

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Sub A1  
cont. →

5. A polymer formulation comprising a triggerable cationic polymer and a non-crosslinked co-binder polymer, wherein the polymer formulation is insoluble in an aqueous solution containing at least about 0.5 weight percent divalent metal salt capable of forming a complex anion; and the polymer formulation is dispersible in hard or soft water.

6. A fibrous substrate comprising:  
fibrous material; and

a binder composition for binding said fibrous material into an integral web, said binder composition comprising a triggerable cationic polymer and a co-binder polymer dispersed in the triggerable cationic polymer, wherein the binder composition is insoluble in an aqueous solution containing at least about 0.5 weight percent divalent metal salt capable of forming a complex anion; and thereafter the triggerable cationic polymer is soluble in water containing up to about 200 ppm of one or more mono or multivalent ions.

7. A fibrous substrate comprising:  
fibrous material; and

a binder composition for binding said fibrous material into an integral web, said binder composition comprising a polymer of [2-(methacryloyloxy)ethyl] trimethyl ammonium chloride, n-butyl acrylate and 2-ethylhexyl acrylate; and a second polymer comprising a non-crosslinked poly(ethylene-vinyl acetate); wherein the binder composition is insoluble in an aqueous solution containing at least about 0.5 weight percent divalent metal salt capable of forming a complex anion; and thereafter the binder composition is soluble in water containing up to about 200 ppm of one or more mono or multivalent ions.

8. A wet wipe comprising:  
a fibrous material;

a binder composition for binding said fibrous material into an integral web, said binder composition comprising a cationic polymer and a co-binder dispersed in said cationic polymer, and

a wetting composition containing at least about 0.5 weight percent of a divalent metal salt capable of forming a complex anion, whereby the binder composition is insoluble in the wetting composition; and thereafter the binder composition is soluble in water containing up to about 200 ppm of one or more mono or multivalent ions.

9. A method of making a wet wipe comprising:

forming a web of fibrous material;

applying a binder composition onto said web, wherein the binder composition comprises a triggerable cationic polymer and a co-binder dispersed in the triggerable cationic polymer; and

applying a wetting composition containing at least about 0.5 weight percent of divalent metal salt capable of forming a complex anion, whereby the binder composition is insoluble in the wetting composition; and thereafter the binder composition is soluble in water containing up to about 200 ppm of one or more mono or multivalent ions.

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